

## Reference to Related Applications

This application is a continuation-in-part of United States patent application Serial No. 09/159,801 filed on September 23, 1998 and claims priority benefits under 35 U.S.C. \$119(e) to United States provisional application Serial No. 60/059,929, filed on September 24, 1997.

## Field of the invention

The present invention is related to a method of localized liquid treatment of the surface of a substrate, like cleaning or etching. The invention is also related to an apparatus used to perform said treatment. Application of the invention is possible in a number of wet processing steps which are frequently used, e.g. in the fabrication of integrated circuits or liquid crystal displays.

## Background of the invention

In the fabrication of micro-electronic devices such as integrated circuits or liquid crystal displays, a substrate has to go through a number of fabrication steps, including wet etching, wet cleaning or rinsing.

25 In the documents U.S. Patent No. 5,271,774 and Japanese Patent JP-A-07211686, methods are described to remove a liquid from the surface of a substrate by applying a gaseous substance to the substrate, which, when mixed with the liquid, reduces the surface tension of the liquid, so that it can be easily removed from the surface by a centrifugal force, i.e. by subjecting the substrate to a rotary movement. However, these methods are only applicable to the substrate as a whole, and cannot be used

This application is a continuation of serial number 09/553,988 filed 04/20/2000 now patent number 6,398,975, which is a continuation-in-part of serial number 09/159,801 filed 09/23/1998 now patent number 6,491,764, and claims benefit provisional number 60/059,929 filed 09/24/1997, and claims benefit of provisional number 60/079,688 filed 03/27/1998, and claims benefit of provisional number 60/084/651 filed 05/06/1998.

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